Attorney Docket No: GP-303509 HDP Ref. No.: 8540R-000039

## ABSTRACT OF THE DISCLOSURE

An anti-bonding material is placed in a desired pattern onto a first sheet of conductive material. A second sheet of conductive material is roll bonded with the first sheet of material. Fluid is injected between the bonded first and second sheets of material to expand the sheets of material at the desired pattern. A flow channel is formed at the desired pattern between the first and second sheet during fluid injection.